

Today's Topics:

1200 baud PSK modem
ARRL Letter 01-Dec-89
Automatic satellite antenna tracking
Digital Cellular Phone
Encryption of Public Communications
How old WE are....
Kenwood TS940 EPROM To Borrow?
Meteor Shower
Modifiying radios for out of ba
RST
SONY 2010 MODS WANTED!!! Desparately
X.25 & AX.25 (2 msgs)

Date: Tue, 12 Dec 89 11:36:57 PST
From: elmquist@nips.ssesco.com
Subject: 1200 baud PSK modem
Message-ID: <8912121737.AA06579@nips.ssesco.com>

What is the proper design modem for use with the new Microsats?
I've seen conflicting information in various circles...some people
are saying G3RUH 9600 baud modem...others G3RUH 1200 baud modem--
Anyone have the full story? I have not seen the G3RUH 1200 baud
modem advertised anywhere (I may not be looking in the right places,
RadioKit was one possibility)...

My understanding of the situation is this:
400 baud G3RUH PSK for telemetry
1200 baud G3RUH PSK for PACSAT or A0-13 voice transponder
9600 baud G3RUH FSK for UOSAT-D

Am I close?

elmquist@nips.ssesco.com
N0JCF@WB0GDB

Date: 12 Dec 89 16:45:46 GMT
From: zaphod.mps.ohio-state.edu!usc!jarthur!bridge2!mips!wyse!steve@tut.cis.ohio-
state.edu (Steve Wilson xttemp dept303)
Subject: ARRL Letter 01-Dec-89

Message-ID: <2548@wyse.wyse.com>

In article <5743@cps3xx.UUCP> hendrick@frith.UUCP (Kenneth J. Hendrickson) writes:
>Boy - both of these options sound pretty stupid!

Couldn't agree more, if they would just enforce the laws we have....

> stuff deleted...for bandwidth sake primarily...

>

>Does the 1st ammendment come into

>play here? Can the federal government tell me that I can say anything I

>want, EXCEPT in some circumstances? (I'm not talking about slander

>here, so don't criticize me with that tact.) I think the FCC might be

>opening up a can of worms that they are not aware of; this can of worms

>could turn out to be disastrous for amateur radio.

Good question. The driving analogy comes to mind again. Its considered a privilege to drive, same with using your radio. The government can and does tell us what we can't talk about already in the form of outlawing broadcasting, profane language, and such. From this position it looks like they can. I do suspect that they might be carrying the whole thing to far though with the latest proposals. They don't like the political discussions and such, wouldn't a court just love to get hold of that one...

73's de Steve KA6S

Date: Tue, 12 Dec 89 11:30:26 PST

From: elmquist@nips.ssesco.com

Subject: Automatic satelllite antenna tracking

Message-ID: <8912121730.AA06558@nips.ssesco.com>

Just wondering what the current "state of the art" is in automatic satelllite antenna rotor controllers. I've heard about something called "The Kansas City Tracker" and seen ads for some stand-alone box of which the name escapes me. What I'm looking for is a controller than works with Quiktrak or the new Instant-Track... and preferably runs by itself without using the host CPU. Any one have any comments on this?

elmquist@nips.ssesco.com

N0JCF@WB0GDB

Date: Tue, 12 Dec 89 10:55:34 est
From: <PZS@MERCURY.MCEO.DG.COM>
Subject: Digital Cellular Phone
Message-ID: <8912121555.AM00043@adam.DG.COM>

CEO summary:

In the January, 1990 issue of Popular Science (p.52), there's an article entitled "Cellular Phone goes Digital". There have also been one or two articles in EE Times which mention the "future digital cellular phone system". It would appear that the ECPA prohibition about listening to cellular phone calls is about to be rendered moot. Of course, it's only a matter of time before some enterprising soul figures out what the encoding and randomizing functions are and develops the "-dec" part of the appropriate "codec" :-)
Although monitoring cordless phones is fun, (who, me???)
Never!), don't sell cordless phone monitoring short. They have the advantage of not "changing cells" just as the conversation gets interesting! (A DTMF decoder and display lets you see what number the person dialled, too...if they happen to be using tone dialling!)

Pete Simpson, KA1AXY (508) 870-9837
Data General Corp M/S E132 Westboro, MA 01580
CSNet: PZS@ADAM.DG.COM

Date: Tue 12 Dec 89 09:23:44-EST
From: Carl DeFranco <DEFRANCO@TOPS20.RADC.AF.MIL>
Subject: Encryption of Public Communications
Message-ID: <12549514807.14.DEFRANCO@TOPS20.RADC.AF.MIL>

Dube Todd recently suggested that knowledge of the timing of key changes in encryption systems makes "public" systems worthless indicates a lack of knowledge of modern systems. At least within the military, commercially produced systems are in place that receive periodic cryptographic updates over standard telephone lines, and which establish a new transmission key for each session, based on a known algorithm for generating a key. Such a system would be ideal for cellular, although some work might be required to compensate for the initial setup times by the system.

In addition, if someone has really sensitive information (or really private) I would hope they don't expect either public airways or telephone wires to be really secure. Most of the new cryptographic algorithms have been reduced

to hardware chips. Widespread use would significantly lower their cost.

Carl DeFranco

Date: 12 Dec 89 16:09:29 GMT

From: sun-barr!newstop!texsun!pollux!ti-csl!hoenig@lll-winken.llnl.gov (Mike Hoenig)

Subject: How old WE are....

Message-ID: <101934@ti-csl.csc.ti.com>

Well, I hate to admit it, but I'm 34.5 years old. I received my first ticket on Dec. 7, 1987, though I had the opportunity back in 1974 or so. My brother, N5BZK (back then it was WB5SIH), just didn't press the issue enough. Also, he was running an FT101E in his mobile. I opted to avoid radios which outweighed me, back then. Today, I am looking for a radio to replace the FT101E I "inherited" along with the FR- and FL101 twins. They were sold to upgrade for the WARC bands upon receipt of my AA status.

I want to operate 160m as well as WARC. In Crockett, TX, is a 250' AM broadcast tower waiting for a good rig to attach. My father-in-law owns/operates KIVY AM/FM, and the AM side goes off-the-air for a clear-channel sister station every evening around sunset. Give me a transmatch and 100W and I'll be happy!!

Mike

Date: 12 Dec 89 01:31:48 GMT

From: zaphod.mps.ohio-state.edu!samsung!shadooby!sharkey!cfctech!teemc!mibte!gamma!thumper!pff@tut.cis.ohio-state.edu (Pete Ferris)

Subject: Kenwood TS940 EPROM To Borrow?

Message-ID: <1786@thumper.bellcore.com>

This is a long shot, but...

Does anyone have the EPROM for the Kenwood interface that I could borrow for a few days?

And for all those wondering: Yes, I know you don't need an EPROM for the <<440>> (so I've been told :-))). But you <<DO>> for the 940 (ditto comment).

Please e-mail responses to:

pff@thumper.bellcore.com

Many Thanks,
Pete Ferris, N5KBD

Date: 12 Dec 89 16:10:35 GMT
From: zaphod.mps.ohio-state.edu!wuarchive!cs.utexas.edu!oakhill!
charlie@tut.cis.ohio-state.edu (Charlie Thompson)
Subject: Meteor Shower
Message-ID: <2728@radio.oakhill.UUCP>

Isn't there a meteor shower going on circa Dec 14th?
Anybody using VHF meteor scatter during this period?
Thanks in advance,
Charlie Thompson
WB4HVD

Date: 12 Dec 89 10:43:19 GMT
From: zaphod.mps.ohio-state.edu!brutus.cs.uiuc.edu!ux1.cso.uiuc.edu!
ux1.cso.uiuc.edu!phil@tut.cis.ohio-state.edu
Subject: Modifiying radios for out of ba
Message-ID: <30500320@ux1.cso.uiuc.edu>

The original choice of 11 meters for CB was based on what could be made cheap at the time. UHF CB existed then, and exists now (GMRS) but has a totally different nature to it. GMRS is fairly active even around here. Back when 11 meter CB was starting up, though, UHF was difficult and expensive. Today even 800 Mhz is quite cheap.

I believe 11 meters never became, and in fact due to its shortwave nature, never could be, what CB should be. Were it not for the fact that the FCC doesn't even want to hear the words "cee-bee", I would suggest a CB system in the upper ends of 800 or 900 Mhz where the FCC still has some land mobile frequencies reserved.

Now of course if I could convince them to charge \$100 for each term of a CB license in that service.... just dreaming.

--Phil Howard, KA9WGN--
<phil@ux1.cso.uiuc.edu>

Date: 11 Dec 89 21:27:26 GMT

From: ptolemy!fariss@eos.arc.nasa.gov (Gary B. Fariss)
Subject: RST
Message-ID: <3187@faraday.ptolemy.arc.nasa.gov>

Heard during the Ten Meter Contest last weekend:

N3xxx: "KH6xxx 59 Pennsylvania."
KH6xxx: "You're 59 Hawaii. QSL?"
N3xxx: "QSL. Thanks for Hawaii! How's my signal out there?"

: -)

73, Gary B. Fariss fariss@pluto.arc.nasa.gov W6KYF @N6LDL
 Recom Software, Inc. @ NASA Ames 415/694-3181
 Mountain View, California 94035

Date: 12 Dec 89 16:55:24 GMT
From: cs.utexas.edu!ut-emx!raj@tut.cis.ohio-state.edu (Raj Menon)
Subject: SONY 2010 MODS WANTED!!! Desparately
Message-ID: <22264@ut-emx.UUCP>

Hi netters,

I have just got a new Sony 2010, and I am very interested in getting the mods for it. If anyone has a summary, I'd appreciate if he/she could Email it to me.

Thanks a lot in advance.

73s de W5/VU2RPM
--Raj Menon

Date: 12 Dec 89 09:05:13 GMT
From: zaphod.mps.ohio-state.edu!brutus.cs.uiuc.edu!ux1.cso.uiuc.edu!tank!cps3xx!usenet@tut.cis.ohio-state.edu (Usenet file owner)
Subject: X.25 & AX.25
Message-ID: <5767@cps3xx.UUCP>

In article <7194@dt seng.UUCP> rps@dt seng.UUCP (Robert P. Scott) writes:
>In article <8912080824.AA01335@uchvax.Berkeley.EDU>, MROWEN@STLAWU.BITNET (Mike Owen W9IP) writes:
>> Anybody out there in net-land know where I can acquire
>> the full X.25 and AX.25 packet protocols?
>CCITT - Red Book(s) are available from:

Aren't these things available for anonymous ftp from someplace?
I think they should be. Anybody know where?

In the rare case that original ideas Kenneth J. Hendrickson N8DGN
are found here, I am responsible. Owen W328, E. Lansing, MI 48825
Internet: kjh@usc.edu UUCP: ...!uunet!usc!pollux!kjh

Date: 12 Dec 89 21:30:43 GMT
From: shlump.nac.dec.com!delni.enet.dec.com!goldstein@decwrl.dec.com
Subject: X.25 & AX.25
Message-ID: <6834@shlump.nac.dec.com>

In article <5767@cps3xx.UUCP>, usenet@cps3xx.UUCP (Usenet file owner) writes...
>In article <7194@dt seng.UUCP> rps@dt seng.UUCP (Robert P. Scott) writes:
>>In article <8912080824.AA01335@ucbvax.Berkeley.EDU>, MROWEN@STLAWU.BITNET (Mike
Owen W9IP) writes:
>>> Anybody out there in net-land know where I can acquire
>>> the full X.25 and AX.25 packet protocols?
>>CCITT - Red Book(s) are available from:
>
>Aren't these things available for anonymous ftp from someplace?
>I think they should be. Anybody know where?

I've never seen them on-net. In any case, the Blue Books (1988) are
current, not that X.25 has changed much since the Red Books (1984).
I suspect they're copyrighted by CCITT anyway.

And AX.25 has the following in common with X.25: the letter X and
the digits 2 and 5. And a dot. (Sounds like Sesame Street!) Not
much more. X.25 includes both a "Level 2" protocol (LAPB) and a
"Level 3" protocol (PLP). AX.25 uses some of the procedures and
some coding aspects (not all) of LAPB, and none of L3. ROSE is based
more closely on X.25 L3.

fred klio

End of INFO-HAMS Digest V89 Issue #1008
